

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Thomas Adams

General Information

Name:	PCI Incorporated
Address:	100 Wurts Road Wurtland Kentucky 41144-1453
Date application received:	September 15, 1998
SIC/Source description:	2865
AFS Plant ID:	21-089-00032
EIS #:	103-1540-0032
Application log number:	F800
Permit number:	V-99-010

Application Type/Permit Activity

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

Compliance Summary

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

Applicable Requirements list

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other

Miscellaneous

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

Emissions Summary based on current operation

Pollutant	Actual (tpy)	Potential (tpy)
Carbon Monoxide	5.2	14.3
Nitrogen Oxides	29.8	66.6
Sulfur Dioxide	.05	1.4
PM/PM10	3.2	6.2
VOC	20	23
Ammonia	36.8	40
Trichlorobenzene	9.8	10.4
Naphthalene	.4	.4
Xylene	4.6	4.8

Source Process Description:

PCI Incorporated manufactures Crude Pigment feed stock by reacting Urea, Phthalic Anhydride and Cuprous Chloride in six batch reactors. After the reaction cycle is completed, material is decanted, washed, filter pressed and dried.

Ammonia is produced as a byproduct of the reaction, reaction solvent is lost during the drying process. A carbon bed adsorber is used to recover solvent. Ammonia and solvent emissions are control by a low NOx afterburner system (Noxidizer).